168760

AK SERIES

POWER ENTRY MODULE EMI FILTERS

HPF 565-3

A. INTRODUCTION

1. POWER MODULE INCORPORATES AN IEC CONNECTOR, A FUSE HOLDER WITH OPTIONAL POWER ON/OFF SWITCH AND VOLTAGE SELECTOR SWITCH PLUS AN EMI FILTER ALL IN ONE SINGLE, EASY TO INSTALL UNIT.
2. DUE TO COMPACT DESIGN AND HIGH VOLUME PRODUCTION, THIS SERIES PRESENTS MAXIMUM FLEXIBILITY, MINIMUM SPACE REQUIREMENT AND COST SAVINGS OVER INDIVIDUAL COMPONENTS WITH NO ASSEMBLY COST.
3. FUSE HOLDER DESIGNED FOR ONE IEC 5x20mm FUSE AND ONE SPARE FUSE. SAFETY INTERLOCK PREVENTS FUSE REMOVAL WITH LINE PLUG INSERTED.
4. ALL PART NUMBERS ARE UL RECOGNIZED, CSA CERTIFIED AND VDE APPROVED.

B. SPECIFICATIONS

1. MAXIMUM LEAKAGE CURRENT EACH LINE-TO-GROUND @ 115VAC 60Hz:0.25mA
   @ 250VAC 50Hz:0.45mA
2. HIPOT RATING (ONE MINUTE)
   LINE-TO-GROUND : 2250VDC
   LINE-TO-LINE : 1450VDC
3. OPERATING FREQUENCY: 50-60Hz
4. RATED VOLTAGE: 115/250VAC
5. MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM

	FREQUENCY-MHz						
TYPE	.10	.15	.50	1.0	5.0	10	30
06AK	15	16	25	30	42	45	40
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM							
06AK	6	6	30	48	40	40	40

C. ELECTRICAL SCHEMATIC

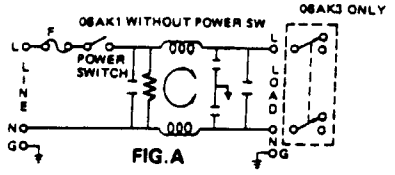


FIG.A

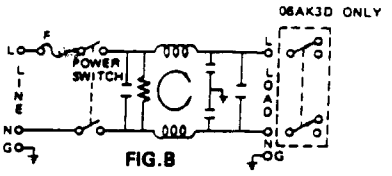


FIG.B

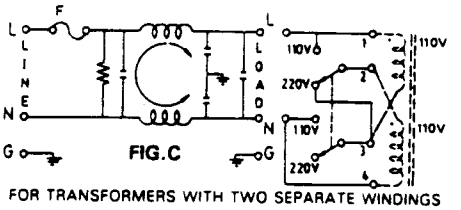


FIG.C

FOR TRANSFORMERS WITH TWO SEPARATE WINDINGS

D. TYPES & RATED CURRENT

† † †

DELTA PART NO.		06AK1	06AK2	06AK2D	06AK3	06AK3D	06AK4	06AK5
RATED CURRENT	115VAC	6A	6A	6A	6A	6A	6A	6A
	250VAC	6A	6A	4A	5A	4A	5A	6A
IEC CONNECTOR		△	△	△	△	△	△	△
FUSE HOLDER		△	△	△	△	△	△	△
POWER SWITCH		–	SP[1]	DP[2]	SP[1]	DP[2]	–	–
VOLTAGE SELECTOR SW		–	–	–	REAR[3]	REAR[3]	REAR[3]	FRONT[4]
ELECTRICAL SCHEMATIC		FIG.A	A	B	A	B	A	C

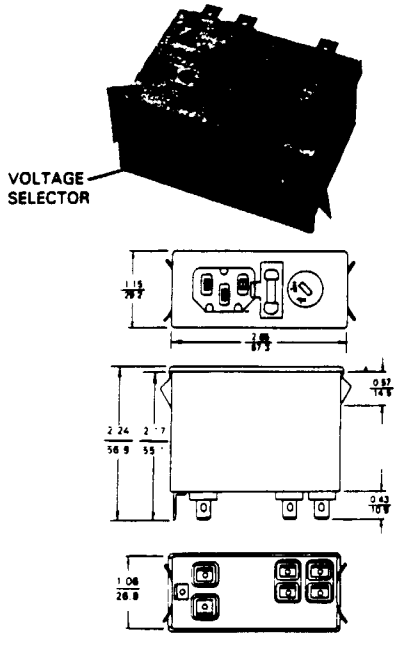
1 SINGLE POLE UL, CSA & VDE APPROVED
CURRENT RATING UL & CSA 6A BOTH AT 125VAC & 250VAC
VDE 6A/250VAC
ELECTRICAL LIFETIME 50,000 CYCLES
MAXIMUM INRUSH CURRENT 24A

2 DOUBLE POLE UL, CSA & VDE APPROVED
CURRENT RATING UL & CSA 6A/125VAC 4A/250VAC
VDE 4A/250VAC
ELECTRICAL LIFETIME 10,000 CYCLES
MAXIMUM INRUSH CURRENT 51A

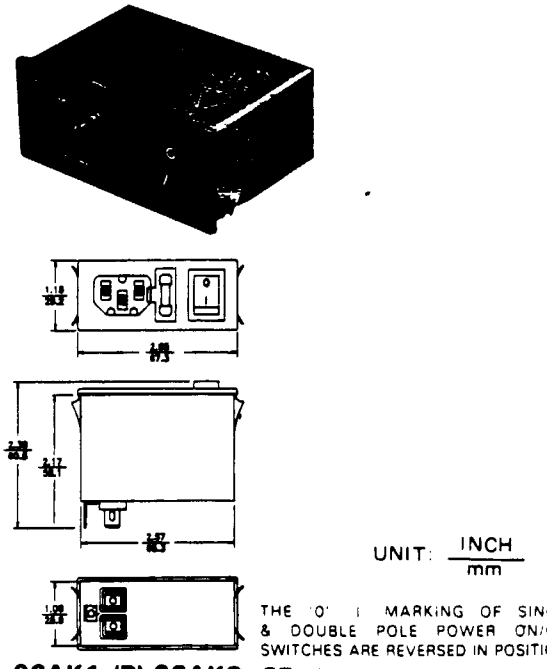
3 VOLTAGE SELECTOR SW UL, CSA & VDE APPROVED
CURRENT RATING 10A/125VAC 5A 250VAC

4 VOLTAGE SELECTOR SW UL CSA & VDE APPROVED
CURRENT RATING UL & CSA 6A BOTH AT 125VAC & 250VAC
VDE 6A 250VAC

E. MECHANICAL CONSTRUCTION



06AK5


UNIT: INCH / mm

THE '0' | MARKING OF SINGLE & DOUBLE POLE POWER ON/OFF SWITCHES ARE REVERSED IN POSITION

06AK1 (P), 06AK2, 2D (P)
06AK3, 3D (P), 06AK4 (P)

† NON-STANDARD PART NUMBER